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Exhibit R-2, RDT&E Budget Item Justification: PB 2019 Office of the Secretary Of Defense	Date: February 2018
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Appropriation/Budget Activity	R-1 Program Element (Number/Name)											
0400: <i>Research, Development, Test & Evaluation, Defense-Wide I BA 5: System Development & Demonstration (SDD)</i>	PE 0305304D8Z I DoD Enterprise Energy Information Management (EEIM)											
COST (\$ in Millions)	Prior Years	FY 2017	FY 2018	FY 2019 Base	FY 2019 OCO	FY 2019 Total	FY 2020	FY 2021	FY 2022	FY 2023	Cost To Complete	Total Cost
Total Program Element	14.485	2.700	3.669	2.435	-	2.435	4.573	4.349	3.823	3.885	Continuing	Continuing
304: <i>Enterprise Energy Information Management</i>	5.108	0.550	0.500	0.000	-	0.000	0.881	0.587	0.000	0.000	Continuing	Continuing
305: <i>Real Property Accountability</i>	8.437	1.404	2.192	1.385	-	1.385	2.367	2.437	2.498	2.560	Continuing	Continuing
306: <i>DoD Siting Clearinghouse</i>	0.940	0.746	0.977	0.250	-	0.250	0.350	0.350	0.350	0.350	Continuing	Continuing
307: <i>Cyber Security</i>	-	0.000	0.000	0.800	-	0.800	0.975	0.975	0.975	0.975	Continuing	Continuing

Note

The FY2019 funding request was reduced by \$1.494 million to account for the availability of prior year execution balances.

A. Mission Description and Budget Item Justification

PE 0305304D8Z was established in FY2013 and plays a pivotal role in the Department's ability to achieve audit readiness, enhance the Department's goal of energy efficiency, gain a full accountability of Real Property assets, as well as improve data quality and integration across the full spectrum of EI&E business functions. The PE helped conduct a full Business Process Re-engineering of the processes used to collect energy information, and publishing an EEIM data standard and a additional effort to build out data stores and portal requirements for Energy Conservation Investment Program (ECIP) management. Funding is also used to support ASD EI&E Senior Real Property Officer accountability requirements by supporting management and oversight of reconciliation efforts and auditability by determining requirements for the department's Real Property inventory records and asset management processes, business rules and associated data standards. A major component of this capability is an enterprise EI&E Data Analytics & Integration Support (DAIS) platform coupled with a independent verification & validation capability. With access to real time data through services WSDLS, reports generated through business intelligence provide immediate indicators driving improved and quicker decisions.

UNCLASSIFIED

Exhibit R-2, RDT&E Budget Item Justification: PB 2019 Office of the Secretary Of Defense	Date: February 2018
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Appropriation/Budget Activity 0400: <i>Research, Development, Test & Evaluation, Defense-Wide I BA 5: System Development & Demonstration (SDD)</i>	R-1 Program Element (Number/Name) PE 0305304D8Z I <i>DoD Enterprise Energy Information Management (EEIM)</i>
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B. Program Change Summary (\$ in Millions)	FY 2017	FY 2018	FY 2019 Base	FY 2019 OCO	FY 2019 Total
Previous President's Budget	2.703	3.669	3.584	-	3.584
Current President's Budget	2.700	3.669	2.435	-	2.435
Total Adjustments	-0.003	0.000	-1.149	-	-1.149
• Congressional General Reductions	-	-			
• Congressional Directed Reductions	-	-			
• Congressional Rescissions	-	-			
• Congressional Adds	-	-			
• Congressional Directed Transfers	-	-			
• Reprogrammings	-	-			
• SBIR/STTR Transfer	-	-			
• FFRDC Transfer	-0.003	-	-	-	-
• Economic Adjustment	-	-	-0.005	-	-0.005
• O&M to RDT&E Realignment	-	-	0.350	-	0.350
• Other Program Adjustments	-	-	-1.494	-	-1.494

Change Summary Explanation

INV-001 budget decision rephased funds in FY19 to FY20-21. \$350K from Siting Clearinghouse O&M funds reprogrammed to EEIM RDT&E program line to fund Siting Clearinghouse RDT&E requirements. EA-008 economic adjustment decision changed funding due to inflation expectations.

UNCLASSIFIED

Exhibit R-2A, RDT&E Project Justification: PB 2019 Office of the Secretary Of Defense										Date: February 2018		
Appropriation/Budget Activity 0400 / 5					R-1 Program Element (Number/Name) PE 0305304D8Z / DoD Enterprise Energy Information Management (EEIM)				Project (Number/Name) 304 / Enterprise Energy Information Management			
COST (\$ in Millions)	Prior Years	FY 2017	FY 2018	FY 2019 Base	FY 2019 OCO	FY 2019 Total	FY 2020	FY 2021	FY 2022	FY 2023	Cost To Complete	Total Cost
304: Enterprise Energy Information Management	5.108	0.550	0.500	0.000	-	0.000	0.881	0.587	0.000	0.000	Continuing	Continuing
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

A. Mission Description and Budget Item Justification

A key part of DoD's strategy to meet its energy goals is to develop an energy information management environment that will enable the Services and OSD to track energy production and usage across the real property portfolio. Information on energy usage is critical for day-to-day management and accountability, troubleshooting building systems, and planning for capital investments. Integration with accurate Real property asset, Utilization, Military Construction, Environmental, and installation Geospatial data is equally key to ensuring these decisions for planning and reporting are possible. It also supports development of The geospatial portal for visualizing energy layers with other EI&E data on installation or area maps for improved spatial analysis. This portal is the DOD aggregated repository for DoD Common Installation Picture layers. Additionally, the map viewer is customized and easier for OSD senior staff to manipulate and includes an online catalog of maps, documents and data; and a secure, robust data exchange module. This development supports a range of Joint Staff and OSD customers.

B. Accomplishments/Planned Programs (\$ in Millions)

	FY 2017	FY 2018	FY 2019
Title: Enterprise Energy Information Management	0.550	0.500	0.000
Description: Supports development of an enterprise energy data store and associated standard that will be integrated with other existing and future data stores and visualization capability for a fully integrated and spatially analytical perspective of EI&E mission area information.			
FY 2018 Plans: Support Business Process Re-Engineering effort to update Enterprise Energy Information Model and related Business Enterprise Architecture. Include updates in energy data store integrated into EI&E Data Analytics & Integration Support warehouse. Complete initial development of automated data discovery catalog in Defense Installation Spatial Data Infrastructure (DISDI) Portal. This is including data tagging and curation of the current DISDI Portal database and contents. Begin customization of the data catalog based on initial user feedback and complete initial development of data exchange module to connect DISDI Portal to the DoD Components live databases for IGI&S.			
FY 2019 Plans: Support Business Process Re-Engineering effort to update several EI&E business processes. These include updating the Enterprise Energy Information Model and related Business Enterprise Architecture, complete as is and to be process models for Armed Forces Pest Management Board enterprise business models, and Consolidated Safety Center Data model. This will also			

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Exhibit R-2A, RDT&E Project Justification: PB 2019 Office of the Secretary Of Defense		Date: February 2018	
Appropriation/Budget Activity 0400 / 5	R-1 Program Element (Number/Name) PE 0305304D8Z / DoD Enterprise Energy Information Management (EEIM)	Project (Number/Name) 304 / Enterprise Energy Information Management	
B. Accomplishments/Planned Programs (\$ in Millions)		FY 2017	FY 2018
include updates in energy data store integrated into EI&E Data Analytics & Integration Support warehouse. Additional Data quality for DAIS is paramount to continue decision making for DoD Reform efforts.			
FY 2018 to FY 2019 Increase/Decrease Statement: Allocation to the BEA and modeling activities decreased due to decrease in PE funding driven by DCMO enforced SRRB efficiency drill. Program adjustments by comptroller for FY19 reduced this PE beyond ability to provide services in this P Code in FY19 and beyond. Zeroed out until leadership can work out a plan forward for reform support requirements for Real property data provided by systems funded with this P code..			
Accomplishments/Planned Programs Subtotals		0.550	0.500
C. Other Program Funding Summary (\$ in Millions) N/A			
Remarks			
D. Acquisition Strategy EI&E BSI solicits for contracted support through WHS contracting office based on a PWS built on functional requirements and a funding profile based on government estimates derived from those requirements.			
E. Performance Metrics Performance is measured against cost, deliverable quality and scheduled based on the deliverable schedule and performance measures built into the contract and monitored by the COR and WHS contracting office.			

UNCLASSIFIED

Exhibit R-3, RDT&E Project Cost Analysis: PB 2019 Office of the Secretary Of Defense												Date: February 2018			
Appropriation/Budget Activity 0400 / 5						R-1 Program Element (Number/Name) PE 0305304D8Z I DoD Enterprise Energy Information Management (EEIM)				Project (Number/Name) 304 I Enterprise Energy Information Management					
Product Development (\$ in Millions)				FY 2017		FY 2018		FY 2019 Base		FY 2019 OCO		FY 2019 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
El&E Data Analytics & Integration Platform	Option/ FFP	Favor Tech Consulting LLC : Richmond VA	4.008	0.362	Sep 2015	0.390	Sep 2015	-		-		-	Continuing	Continuing	-
DISI Portal	MIPR	USACE : CRREL	1.100	0.188	Jul 2016	0.110	Jul 2016	-		-		-	Continuing	Continuing	-
Subtotal			5.108	0.550		0.500		-		-		-	Continuing	Continuing	N/A
Remarks Insufficient funding in FY19-FY22 due to reprogramming adjustment by comptroller. The data from this system supports DoD Reform Initiatives. If DoD determines system is to be maintained and contract re-awarded in FY19 it will be done with funding from P Code 305 until reprogramming can fix the issue.															
			Prior Years	FY 2017		FY 2018		FY 2019 Base		FY 2019 OCO		FY 2019 Total	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals			5.108	0.550		0.500		-		-		-	Continuing	Continuing	N/A
Remarks NA															

UNCLASSIFIED

Exhibit R-4, RDT&E Schedule Profile: PB 2019 Office of the Secretary Of Defense **Date:** February 2018

Appropriation/Budget Activity 0400 / 5	R-1 Program Element (Number/Name) PE 0305304D8Z / DoD Enterprise Energy Information Management (EEIM)	Project (Number/Name) 304 / Enterprise Energy Information Management
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1													
2													
3	Task Name	Start	Finish	2018				2019				2020	
				Qtr 1	Qtr 2	Qtr 3	Qtr 4	Qtr 1	Qtr 2	Qtr 3	Qtr 4	Qtr 1	Qtr 2
4	Develop ESS DISDI Shell	07/30/18	02/30/2019										
5	Complete Voyager Programmin	01/01/19	07/29/19										
6	Complete DAIS MILCON Sprint	04/15/18	09/30/18										
7	Complete DAIS ERCIP Sprint	07/01/18	04/16/19										
8													
9													
10													

UNCLASSIFIED

Exhibit R-4A, RDT&E Schedule Details: PB 2019 Office of the Secretary Of Defense			Date: February 2018
Appropriation/Budget Activity 0400 / 5	R-1 Program Element (Number/Name) PE 0305304D8Z / DoD Enterprise Energy Information Management (EEIM)	Project (Number/Name) 304 / Enterprise Energy Information Management	

Schedule Details

Events by Sub Project	Start		End	
	Quarter	Year	Quarter	Year
<i>DISDI POrtal Development</i>				
Develop ESS DISDI Shell	4	2018	2	2019
Complete Voyager Programming	2	2019	4	2019
<i>DAIS Development</i>				
Complete DAIS MILCON Sprint	2	2018	4	2018
Complete DAIS ERCIP Sprint	4	2018	2	2019

UNCLASSIFIED

Exhibit R-2A, RDT&E Project Justification: PB 2019 Office of the Secretary Of Defense										Date: February 2018		
Appropriation/Budget Activity 0400 / 5					R-1 Program Element (Number/Name) PE 0305304D8Z / DoD Enterprise Energy Information Management (EEIM)				Project (Number/Name) 305 / Real Property Accountability			
COST (\$ in Millions)	Prior Years	FY 2017	FY 2018	FY 2019 Base	FY 2019 OCO	FY 2019 Total	FY 2020	FY 2021	FY 2022	FY 2023	Cost To Complete	Total Cost
305: Real Property Accountability	8.437	1.404	2.192	1.385	-	1.385	2.367	2.437	2.498	2.560	Continuing	Continuing
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		
A. Mission Description and Budget Item Justification												
The Real Property Inventory fulfills requirements of Executive Order for DoD to achieve and maintain real property accountability. This is critical both from audit readiness and program management perspectives. This funding provides the department independent verification and validation needed to reconcile errors to gain the data quality and interoperability needed for decisionable data and processes throughout the lifecycle of real property assets. Oversight and configuration management of business rules and standards are used to determine requirements for the departments Real Property inventory records and proper end to end process steps throughout the lifecycle of an asset from purchase to disposal. This includes development and procurement of the enterprise data warehouse for integrating existing and future EI&E systems and database needs. The Real Property Unique Identifier (RPUID) process has also been included in this EI&E enterprise system.												
B. Accomplishments/Planned Programs (\$ in Millions)									FY 2017	FY 2018	FY 2019	
Title: Real Property Accountability									1.404	2.192	1.385	
Description: The ASD EI&E is the Senior Real Property Officer for the DoD. In this role they are responsible for the accountability and utilization of all DoD Real Property Assets. This funding provides the department a enterprise data warehouse coupled with a independent verification & validation capability. The DoD Real Property Accountability efforts are mandated by Executive Order and Public Law for improved reporting and utilization of federal real property and verifiable decisionable data is needed for future BRAC deliberations.												
FY 2018 Plans: Continue reconciliation and auditability efforts by determining requirements for the department's Real Property inventory records and asset accountability and management processes, business rules and associated data. Continue DAIS implementation with WSDL maturity and improved data quality and integration in preparation for BRAC and other upcoming analysis and decisions.												
FY 2019 Plans: Continue reconciliation and auditability efforts by determining requirements for the department's Real Property inventory records and asset accountability and management processes, business rules and associated data. Continue DAIS implementation with WSDL maturity and improved data quality and integration in preparation for BRAC and other upcoming analysis and decisions.												
FY 2018 to FY 2019 Increase/Decrease Statement: Decrease due to Comptroller's budget decision INV-001 which rephrases funding from FY19 to 20-21.												
Accomplishments/Planned Programs Subtotals									1.404	2.192	1.385	

UNCLASSIFIED

Exhibit R-2A, RDT&E Project Justification: PB 2019 Office of the Secretary Of Defense		Date: February 2018
Appropriation/Budget Activity 0400 / 5	R-1 Program Element (Number/Name) PE 0305304D8Z / DoD Enterprise Energy Information Management (EEIM)	Project (Number/Name) 305 / Real Property Accountability
C. Other Program Funding Summary (\$ in Millions) N/A Remarks D. Acquisition Strategy EI&E BSI solicits for contracted support through WHS contracting office based on a PWS built on functional requirements and a funding profile based on government estimates derived from those requirements E. Performance Metrics Performance is measured against cost, deliverable quality and scheduled based on the deliverable schedule and performance measures built into the contract and monitored by the COR and WHS contracting office.		

UNCLASSIFIED

Exhibit R-3, RDT&E Project Cost Analysis: PB 2019 Office of the Secretary Of Defense												Date: February 2018			
Appropriation/Budget Activity 0400 / 5						R-1 Program Element (Number/Name) PE 0305304D8Z / DoD Enterprise Energy Information Management (EEIM)				Project (Number/Name) 305 / Real Property Accountability					
Product Development (\$ in Millions)				FY 2017		FY 2018		FY 2019 Base		FY 2019 OCO		FY 2019 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
EI&E Data Analytics & Integration Platform	Option/ FFP	Favor Tech Consulting LLC : Richmond VA	0.450	0.338	Sep 2015	0.450	Sep 2015	0.500	Apr 2018	-		0.500	Continuing	Continuing	-
Subtotal			0.450	0.338		0.450		0.500		-		0.500	Continuing	Continuing	N/A
Remarks NA															
Support (\$ in Millions)				FY 2017		FY 2018		FY 2019 Base		FY 2019 OCO		FY 2019 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
BSI Support Contract	C/FFP	IEA Corp : Ashburn VA	7.362	0.948	Sep 2015	1.502	Sep 2015	0.885	Apr 2018	-		0.885	Continuing	Continuing	-
DISDI IGI&S Portal	MIPR	USACE : CRREL	0.625	0.118		0.240		0.000		-		0.000	Continuing	Continuing	-
Subtotal			7.987	1.066		1.742		0.885		-		0.885	Continuing	Continuing	N/A
Remarks NA															
			Prior Years	FY 2017		FY 2018		FY 2019 Base		FY 2019 OCO		FY 2019 Total	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals			8.437	1.404		2.192		1.385		-		1.385	Continuing	Continuing	N/A
Remarks NA															

UNCLASSIFIED

Exhibit R-4, RDT&E Schedule Profile: PB 2019 Office of the Secretary Of Defense **Date:** February 2018

Appropriation/Budget Activity 0400 / 5	R-1 Program Element (Number/Name) PE 0305304D8Z / DoD Enterprise Energy Information Management (EEIM)	Project (Number/Name) 305 / Real Property Accountability
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ID	Task Name	Start	Finish	2018				2019				2020	
				Qtr 1	Qtr 2	Qtr 3	Qtr 4	Qtr 1	Qtr 2	Qtr 3	Qtr 4	Qtr 1	Qtr 2
1	FY-19 DBS PIM Reviews	10/01/18	continuous										
2	Develop FY-19 BEA Artifacts	01/01/18	09/30/19										
3	RPIM Updates	11/01/18	11/30/20										
4	EI&E BPR	10/01/18	03/20/20										
5	IV&V	10/01/18	continuous										
6	EI&E Processes Auditability	10/01/18	09/30/19										
7	EI&E Data Analytics & Integration	10/01/19	09/30/20										
8	DISDI IGIS Portal	10/01/19	09/30/20										

UNCLASSIFIED

Exhibit R-4A, RDT&E Schedule Details: PB 2019 Office of the Secretary Of Defense			Date: February 2018
Appropriation/Budget Activity 0400 / 5	R-1 Program Element (Number/Name) PE 0305304D8Z / DoD Enterprise Energy Information Management (EEIM)	Project (Number/Name) 305 / Real Property Accountability	

Schedule Details

Events by Sub Project	Start		End	
	Quarter	Year	Quarter	Year
<i>PfM</i>				
FY18-19 DBS SYstem Reviews	1	2018	4	2020
Develop BEA Artifacts	2	2018	4	2019
<i>Real Property Asset Management</i>				
RPIM Updates	1	2018	1	2020
EI&E BPR	4	2018	2	2020
IV&V	1	2018	4	2020
EI&E Process & SYstem Auditability	4	2018	4	2019
EI&E Data Analytics & Integration	1	2019	4	2020
DISDI IGI&S Portal	1	2019	4	2020

UNCLASSIFIED

Exhibit R-2A, RDT&E Project Justification: PB 2019 Office of the Secretary Of Defense										Date: February 2018		
Appropriation/Budget Activity 0400 / 5					R-1 Program Element (Number/Name) PE 0305304D8Z / DoD Enterprise Energy Information Management (EEIM)				Project (Number/Name) 306 / DoD Siting Clearinghouse			
COST (\$ in Millions)	Prior Years	FY 2017	FY 2018	FY 2019 Base	FY 2019 OCO	FY 2019 Total	FY 2020	FY 2021	FY 2022	FY 2023	Cost To Complete	Total Cost
306: DoD Siting Clearinghouse	0.940	0.746	0.977	0.250	-	0.250	0.350	0.350	0.350	0.350	Continuing	Continuing
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		
Note For FY16-18 FM inadvertently programmed Cyber money belonging in Pcode 307 into 306 for obligation in EBAS. ARA changed the R2 to reflect as well. Clearing House RDT&E will begin again in FY19 so the programming change is corrected with these R2s.												
A. Mission Description and Budget Item Justification The DoD Siting Clearinghouse is charged with the identification of technical mitigation measures necessary to overcome degradation of radar from the proliferation of industrial wind turbine development. This R&D is necessary to work with FFRDCs to study potential technical improvements to radar.												
B. Accomplishments/Planned Programs (\$ in Millions)									FY 2017	FY 2018	FY 2019	
Title: DoD Siting Clearinghouse									0.746	0.977	0.250	
Description: The DoD Siting Clearinghouse is charged with the identification of technical mitigation measures necessary to overcome degradation of radar from the proliferation of industrial wind turbine development. This R&D is necessary to work with FFRDCs to study potential technical improvements to radar.												
FY 2018 Plans: EI&E Facility Related Controls Cyber Risk assessment funding will continue out of this P Code in FY18. No Clearinghouse funding in FY18. The current state of cyber security of energy-related (and other real property-related) control systems (such as the electronic/computer controls on heating, ventilation & air conditioning equipment) is deficient, and the adjusted EEIM baseline supports a multi-year real property-related control systems cyber security initiative to address these issues. Continue to support multiyear real property-related controls systems cyber security risk assessments and development of guidelines and training manuals for future in house procedures. Also supports joint initiative with DOE this year.												
FY 2019 Plans: Continue to support radar studies as planned through the Wind Turbine Interference Mitigation Forum.												
FY 2018 to FY 2019 Increase/Decrease Statement: Note: P-Code 306 formerly had Cyber Security which is now shown in P-307 (thus no decrease). New requirement for RDT&E funding, not previously programmed for Siting Clearinghouse.												
Accomplishments/Planned Programs Subtotals									0.746	0.977	0.250	

UNCLASSIFIED

Exhibit R-2A, RDT&E Project Justification: PB 2019 Office of the Secretary Of Defense		Date: February 2018
Appropriation/Budget Activity 0400 / 5	R-1 Program Element (Number/Name) PE 0305304D8Z / <i>DoD Enterprise Energy Information Management (EEIM)</i>	Project (Number/Name) 306 / <i>DoD Siting Clearinghouse</i>
C. Other Program Funding Summary (\$ in Millions) N/A		
Remarks		
D. Acquisition Strategy There is not an existing contract for this, as FY19 is the first year for Clearinghouse R&D Funding. The Clearinghouse will work this through existing efforts with FFRDCs.		
E. Performance Metrics The DoD Siting Clearinghouse monitors study progress through bi-weekly WTRI teleconferences supported by written bi-weekly project updates.		

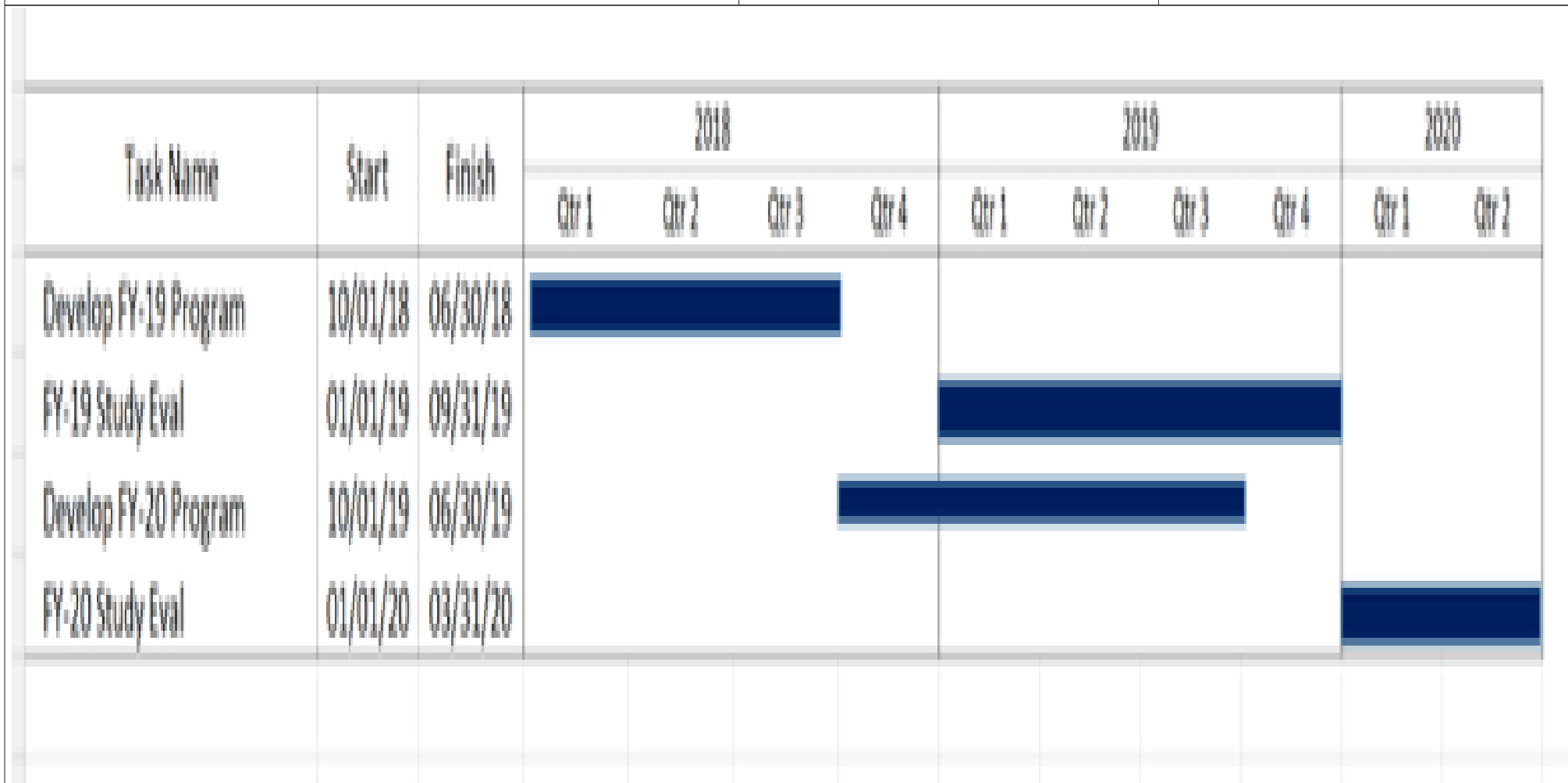
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Exhibit R-3, RDT&E Project Cost Analysis: PB 2019 Office of the Secretary Of Defense												Date: February 2018			
Appropriation/Budget Activity 0400 / 5						R-1 Program Element (Number/Name) PE 0305304D8Z I DoD Enterprise Energy Information Management (EEIM)						Project (Number/Name) 306 I DoD Siting Clearinghouse			
Test and Evaluation (\$ in Millions)				FY 2017		FY 2018		FY 2019 Base		FY 2019 OCO		FY 2019 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Coordinate Tech Studis of to overcome Impacts to Radar	FFRDC	TBD : TBD	-	-		-		0.250		-		0.250	Continuing	Continuing	-
PRMA	FFRDC	MIT Labs : MIT Mas	0.940	0.746		0.977		-		-		-	Continuing	Continuing	-
Subtotal			0.940	0.746		0.977		0.250		-		0.250	Continuing	Continuing	N/A
Remarks NA															
			Prior Years	FY 2017		FY 2018		FY 2019 Base		FY 2019 OCO		FY 2019 Total	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals			0.940	0.746		0.977		0.250		-		0.250	Continuing	Continuing	N/A
Remarks NA															

UNCLASSIFIED

Exhibit R-4, RDT&E Schedule Profile: PB 2019 Office of the Secretary Of Defense **Date:** February 2018

Appropriation/Budget Activity 0400 / 5	R-1 Program Element (Number/Name) PE 0305304D8Z / DoD Enterprise Energy Information Management (EEIM)	Project (Number/Name) 306 / DoD Siting Clearinghouse
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UNCLASSIFIED

Exhibit R-4A, RDT&E Schedule Details: PB 2019 Office of the Secretary Of Defense			Date: February 2018
Appropriation/Budget Activity 0400 / 5	R-1 Program Element (Number/Name) PE 0305304D8Z / DoD Enterprise Energy Information Management (EEIM)	Project (Number/Name) 306 / DoD Siting Clearinghouse	

Schedule Details

Events by Sub Project	Start		End	
	Quarter	Year	Quarter	Year
<i>DoD Siting Clearinghouse</i>				
Develop FY19 Program	1	2018	3	2018
FY19 Study Eval	1	2019	4	2019
Develop FY20 Program	1	2019	3	2019
FY Study Eval	1	2020	2	2020

UNCLASSIFIED

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Appropriation/Budget Activity 0400 / 5					R-1 Program Element (Number/Name) PE 0305304D8Z / DoD Enterprise Energy Information Management (EEIM)				Project (Number/Name) 307 / Cyber Security			
COST (\$ in Millions)	Prior Years	FY 2017	FY 2018	FY 2019 Base	FY 2019 OCO	FY 2019 Total	FY 2020	FY 2021	FY 2022	FY 2023	Cost To Complete	Total Cost
307: Cyber Security	-	0.000	0.000	0.800	-	0.800	0.975	0.975	0.975	0.975	Continuing	Continuing
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		
A. Mission Description and Budget Item Justification												
The current state of cyber security of energy-related (and other real property-related) control systems (such as the electronic/computer controls on heating, ventilation & air conditioning equipment) is deficient, and the adjusted EEIM baseline supports a multi-year real property-related control systems cyber security initiative to address these issues.												
B. Accomplishments/Planned Programs (\$ in Millions)									FY 2017	FY 2018	FY 2019	
Title: Cyber Security									0.000	0.000	0.800	
Description: The current state of cyber security of energy-related (and other real property-related) control systems (such as the electronic/computer controls on heating, ventilation & air conditioning equipment) is deficient. This effort supports a multi-year real property-related control systems cyber security initiative to address these issues. So far it has generated an updated DoD CIO RMF Knowledge Service Portal with controls systems cyber security implementation guidance for practitioners (templates, key references, step-by-step instructions, look-up tables, etc.) Controls systems cyber security Tactics, Techniques and Procedures (TTPS) has transitioned from Joint Base Architecture for Secure Industrial Control Systems (J-BASICS). The department has begun to implement Platform Resilience Mission Assurance (PRMA) assessments across 10 installations. This effort has also generated policy direction to Services and Agencies including a draft Department of Defense Instruction, a draft Department of Defense Manual and Security Handling Guide for data representing energy systems.												
FY 2018 Plans: Continue to support multiyear real property-related controls systems cyber security risk assessments and development of guidelines and training manuals for future in house procedures. Also supports joint initiative with DOE this year.												
FY 2019 Plans: Continue to support multiyear real property-related controls systems cyber security risk assessments and development of guidelines and training manuals for future in house procedures. finalize DoD actions supporting the joint initiative with DOE this year.												
FY 2018 to FY 2019 Increase/Decrease Statement: Note: Cyber Security funding moved from P-Code 306 to P-Code 307. Decrease due to budget decision INV-001 which rephrases 19 funds to FY20-21. Fund at highest level possible since it is CYBERCOM funding provided for specific Cyber Security risks assessments and mitigation actions for facility related controls systems managed in the EI&E business line.												

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Exhibit R-2A, RDT&E Project Justification: PB 2019 Office of the Secretary Of Defense		Date: February 2018	
Appropriation/Budget Activity 0400 / 5	R-1 Program Element (Number/Name) PE 0305304D8Z / DoD Enterprise Energy Information Management (EEIM)	Project (Number/Name) 307 / Cyber Security	
B. Accomplishments/Planned Programs (\$ in Millions)		FY 2017	FY 2018
Decrease in budget will significantly impact ability of program to meet its stated goal. At current levels of funding, up to half of installations scheduled and coordinated to be evaluated under the PRMA program will be canceled. There will not be enough data collected to complete FY18 and beyond goals for the establishment of department and enterprise wide cybersecurity solutions and methodologies.			
Accomplishments/Planned Programs Subtotals		0.000	0.000
C. Other Program Funding Summary (\$ in Millions)			
N/A			
Remarks			
D. Acquisition Strategy			
N/A			
E. Performance Metrics			
NA			

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2019 Office of the Secretary Of Defense												Date: February 2018		
Appropriation/Budget Activity 0400 / 5						R-1 Program Element (Number/Name) PE 0305304D8Z / DoD Enterprise Energy Information Management (EEIM)				Project (Number/Name) 307 / Cyber Security				

Test and Evaluation (\$ in Millions)				FY 2017		FY 2018		FY 2019 Base		FY 2019 OCO		FY 2019 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
PRMA	FFRDC	TBD : TBD	-	-		-		0.800	Nov 2018	-		0.800	Continuing	Continuing	-
Subtotal			-	-		-		0.800		-		0.800	Continuing	Continuing	N/A

Remarks NA															
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	Prior Years	FY 2017	FY 2018	FY 2019 Base	FY 2019 OCO	FY 2019 Total	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals	-	-	0.000	0.800	-	0.800	Continuing	Continuing	N/A

Remarks NA									
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Exhibit R-4, RDT&E Schedule Profile: PB 2019 Office of the Secretary Of Defense **Date:** February 2018

Appropriation/Budget Activity 0400 / 5	R-1 Program Element (Number/Name) PE 0305304D8Z / DoD Enterprise Energy Information Management (EEIM)	Project (Number/Name) 307 / Cyber Security
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Task Name	Start	Finish	2018				2019				2020	
			Qtr 1	Qtr 2	Qtr 3	Qtr 4	Qtr 1	Qtr 2	Qtr 3	Qtr 4	Qtr 1	Qtr 2
FY-18 PRMA Evaluations	03/01/18	02/28/19										
Develop FY-19 Program	01/01/18	09/30/18										
FY-18 PRMA Evaluations	03/01/19	02/28/20										
Develop FY-20 Program	01/01/19	09/30/19										

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Exhibit R-4A, RDT&E Schedule Details: PB 2019 Office of the Secretary Of Defense			Date: February 2018
Appropriation/Budget Activity 0400 / 5	R-1 Program Element (Number/Name) PE 0305304D8Z / DoD Enterprise Energy Information Management (EEIM)	Project (Number/Name) 307 / Cyber Security	

Schedule Details

Events by Sub Project	Start		End	
	Quarter	Year	Quarter	Year
<i>DoD Facility Related Controls Cyber Security Risk Assessment</i>				
FY18 PRMA Evaluations	2	2018	2	2019
Develop FY19 Program	2	2018	4	2018
FY19 PRMA Evaluations	2	2019	2	2020
Develop FY20 Program	2	2019	4	2019